

MULL ENGINEERING

Race Technologies Division

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Cylinder porting and boring installation

1. You **MUST** wash your fresh bored or ported cylinders thoroughly in warm water and dish soap and dry prior to assembly. A good wipe down of solvent or a blast of compressed air does **NOT** count. The life of your engine depends on it.
2. Next, wipe a light coat of the engine oil that will be used in the engine over the entire bore to keep flash rust from forming.
3. If you have ported engine cases, it is very important to trim the base gaskets around the transfer port area for best performance. Do this by installing the base gaskets on the top case half and carefully tracing the outline of the port. You can then trim the excess gasket material with a knife or shears.
4. When installing pistons, plenty of oil should be used over the skirts of the pistons as well as the rings. Never assemble an engine dry.
5. Assemble engine and torque all bolts to manufacturer specs. Turn engine over by hand and feel for any rough spots or catches in rotation. If any is felt, do **NOT** run engine. Disassemble engine and determine the problem.
6. Many times, improper ring installation is the cause and this will kill an engine in minutes.

Run in: If you have a new bore, you **MUST** run your engine in or damage and overheating may result. We recommend slightly more than idle for the first 10min. Allow to cool to ambient temp. Start engine and ride until engine is up to full operating temp while using no more than ¼ throttle in the lower RPM range. Allow engine to cool again to room temp. Now you may ride your bike up to ½ throttle but still keeping it in the lower rpm range for 1 tank of fuel or 1 hour of riding. Short bursts of full throttle are fine as long as the rpms are kept in the lower range. After these conditions are met, you are ready to get it on. Good luck.

Thanks again for the opportunity to serve you. If you have questions, please call or email us.

Due to the high performance nature and the fact that we are not installing this product, Mull Engineering will not be liable for any damages or injuries. Please understand that this product carries no expressed or implied warranty once installed.